

The Weekly Rigor

No. 397

“A mathematician is a machine for turning coffee into theorems.”

January 29, 2022

Verifying Trigonometric Identities with Simple Arguments Involving the Product of Three Trigonometric Functions: Problems with Solutions (Part 22)

89. $\cos \theta \cdot \csc \theta \cdot \sec \theta = \sin \theta \cdot \csc \theta \cdot \csc \theta.$

90. $\cos \theta \cdot \csc \theta \cdot \sec \theta = \tan \theta \cdot \csc \theta \cdot \cot \theta.$

91. $\sin \theta \cdot \csc \theta \cdot \csc \theta = \tan \theta \cdot \csc \theta \cdot \cot \theta.$

92. $\cos \theta \cdot \cot \theta \cdot \sec \theta = \sin \theta \cdot \csc \theta \cdot \cot \theta.$

“Only he who never plays, never loses.”

Written and published every Saturday by Richard Shedenhelm

WeeklyRigor@gmail.com